UNITED STATES PATENT AND TRADEMARK OFFICE

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EXAMINER
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ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS,
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on *22 August 2008*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *4-9,15-21 and 31-34* is/are pending in the application.

  4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *4-9,15-21,31-34* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

  a)☐ All b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

  * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

Response to Arguments

Applicant's arguments, see remarks, filed 8/22/2008, with respect to the

rejection(s) of claim(s) 4 & 15 under 102 have been fully considered and are

persuasive. Therefore, the rejection has been withdrawn. However, upon further

consideration, a new ground(s) of rejection is made in view of Smith.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Claims 4-9, 15-21 and 31-34 are rejected under 35 U.S.C. 102(e) as being

anticipated by Smith et al. (United States Patent 6,578,078).

For claim 4, Smith teaches, a method of correcting links in a document, comprising:

sending a first request to a link checking service unit to determine whether a first

resource corresponding to a first link in the document is located at said first link; (Smith,

Col. 15 lines 16-39, RPE)

receiving a first response to said first request, the first response containing an

indication that the first resource is not located at the first link; (Smith, Col. 18 lines 49-

62, broken link)

and automatically changing the document in response to the receiving of the first

response, based on the indication, wherein said changing of the document comprises

automatically replacing the first link or automatically deleting the first link; (Smith, Col.

17 line 51 to Col. 18 line 17, rename)

and automatically sending a second request to the link checking service unit to

determine whether a second resource corresponding to a second link in the document

is located at the second link after the changing of the document. (Smith, Col. 18 lines

48-62, repeat)

For claim 5, Smith teaches, the method of claim 4, wherein the response further

includes a link status code indicating a status of the first resource. (Smith, Col. 18 lines

49-62, meta-data)

For claim 6, Smith teaches, the method of claim 4, wherein the document is a World-

Wide Web page and the first link is a hypertext link. (Smith, Col. 18 lines 49-62, URL)

For claim 7, Smith teaches, the method of claim 4, wherein the first link includes a first

uniform resource locator (URL) and the indication includes a second URL, wherein the

document is changed by changing the first URL in the first link to the second URL.

(Smith, Col. 18 lines 49-62, URL)

For claim 8, Smith teaches, the method of claim 4, wherein the document is changed by

automatically deleting the first link in the document if the first response does not include

a replacement link and contains a link status code indicating that the first link is invalid.

(Smith, Col. 14 lines 9-17, URL marked)

For claim 9, Smith teaches, the method of claim 4, wherein said sending the first

request, receiving the first response, and changing the document are performed in a

web server. (Smith, Col. 17 line 51 to Col. 18 line 17)

For claim 15, Smith teaches, a method for determining a status of links in a document,

comprising:

 receiving a first request to determine the whether a first resource is located at a

first link in the document, wherein the first link includes a first location indicator of the

first resource; (Smith, Col. 18 lines 49-62, URL)

 detecting if the first resource is present within a storage unit at a location

indicated by the first location indicator; (Smith, Col. 15 lines 16-39, RPE)

 determining if the first resource is present at an alternate location if the first

resource is not detected in the location indicated by the first location indicator; (Smith,

Col. 18 lines 49-62, broken link)

 in response to the first request, returning an alternate location identifier indicating

the alternate location of the first resource if the first resource is determined to be

present at the alternate location, wherein the document is automatically changed in

response to the returning of the alternate location identifier by automatically replacing

the first link with another link comprising the alternate location identifier; (Smith, Col. 17 line 51 to Col. 18 line 17, rename)

and receiving a second request which is automatically sent after the document is automatically changed, to determine whether a second resource is located at second link in the document, wherein the second link includes a location indicator of the second resource. (Smith, Col. 18 lines 48-62, repeat)

For claim 16, Smith teaches, the method of claim 15, wherein the first link is a hypertext link and the location indicator of the resource is a uniform resource locator (URL). (Smith, Col. 18 lines 49-62, URL)

For claim 17, Smith teaches, the method of claim 16, wherein the first resource is a web page. (Smith, Col. 18 lines 49-62, URL)

For claim 18, Smith teaches, the method of claim 16, further comprising returning a link status code indicating whether the first resource is present in the storage unit. (Smith, Col. 14 lines 8-17, delete or move)

For claim 19, Smith teaches, the method of claim 18, wherein the link status code indicates whether the first resource has been deleted from the storage unit. (Smith, Col. 14 lines 9-17, delete or move)

For claim 20, Smith teaches, the method of claim 15, wherein said determining if the first resource is present at an alternate location is performed by consulting a mapping table associating a first location indicator with a second location indicator, wherein the first location indicator indicates a prior location of the first resource and the second location indicator indicates a present location of the first resource. (Smith, Col. 17 line 51 to Col. 18 line 17)

For claim 21, Smith teaches, the method of claim 20, wherein the first and second location indicators are uniform resource locators (URLs). (Smith, Col. 18 lines 49-62, URL)

For claim 31, Smith teaches, the method of claim 4, wherein the link checking service unit is disposed in a first web server, and the first request is sent from a second web server different from the first web server. (Smith, Col. 18 lines 18-62, RPE, external webserver)

For claim 32, Smith teaches, the method of claim 15, wherein the first request is received by a first web server, and the alternate location identifier is returned to a second web server different from the first web server. (Smith, Col. 18 lines 49-62, metadata)

For claim 33, Smith teaches, the method of claim 4, wherein the automatic changing of

the document is performed before a status of any other link in the document is checked.

(Smith, Col. 18 lines 49-62, broken hyperlink are update, repeat, figure5)

For claim 34, Smith teaches, the method of claim 15, wherein the automatic changing of

the document is performed before a status of any other link in the document is checked.

(Smith, Col. 18 lines 49-62, broken hyperlink are update, repeat, figure5)

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. See attached Notice of references cited (if appropriate).

Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AJAY BHATIA whose telephone number is (571)272-3906. The examiner can normally be reached on M, T, H, F 9:00-3:30, Also please fax interview requests to 571-273-3906.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571-272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2445